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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

A substitute specification.

A power of attorney and/or change of address letter.

ATTORNEY'S DOCKET NUMBER 207,542

NO. (If 37 CFR 1.5) INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DA CLAIMED PCT/US2004/044048 29 December 2004 (29.12.2004) 31 December 2003 (31.12.2003) TITLE OF INVENTION TEST APPARATUS FOR DIRECT MEASUREMENT OF EXPANSION AND SHRINKAGE OF OIL WELL APPLICANT(S) FOR DO/EO/US Scott Steven Jennings Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12 An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FCOMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 3

A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

A second copy of the published International Application under 35 U.S.C. 154(d)(4).

IAP15 Rec'd PCT/PTO 0 6 APR 2006

PTO-1390 (Rev. 07-2005)

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U.S. APPLICA	10/5	75 4 08	INTERNATIONAL AP		ATTORNEY'S DOG 207,5	
20. Other	items or informati	on:				
The foll	owing fees have b	een submitted			CALCULATIONS	PTO USE ONLY
21. X Bas	ic national fee (37	CFR 1.492(a))		\$300	\$ 300.00	
22. X Exam	nination fee (37 Cl	FR 1.492(c))				
by IPEA/	nion prepared by IS /US indicates all cl ns	\$ 0.00				
23. X Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB					\$ 0.00)
TOTAL OF 21, 22 and 23 =					300.00)
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
Total Sheets	Extra Sheets		additional 50 or fraction up to a whole number)	RATE		
- 100 =	- 100 = /50 =			x \$250	\$ 0.00)1
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$ 0.00)
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
Total claims	24	- 20 =	4	× \$ 50	\$ 200.00	
Independent clair	ms 3	- 3 =	0	x \$200	\$ 0.00)
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 TOTAL OF ABOVE CALCULATIONS =					\$ 0.00)
		\$ 500.00)			
Applicant cla	ims small entity st	0.00				
				SUBTOTAL =	\$ 500.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +					\$	0.00
TOTAL NATIONAL FEE =					\$	500.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$	0.00
		\$	500.00			
					Amount to be refunded:	\$
					Amount to be charged	\$

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a. X A check in the amount of \$ 500.	.00 to cover the abov	ve fees is enclosed.					
Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. X The Commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0035 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-0000 . A duplicate commissioner is hereby authorized to Account No. 01-00000 . A duplicate commissioner is hereby authorized to Account No.	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No01-0035 A duplicate copy of this sheet is enclosed.						
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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO: Thomas E. SPATH ABELMAN, FRAYNE & SCHWAB 666 Third Avenue, 10th Floor New York, NY 10017-5621		SIGNATURE Thomas E. SPATH NAME 25,928 REGISTRATION NUMBER					
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Fees are to be charged to a credit card. We be included on this form. Provide credit of NOTE: Where an appropriate time limit under 37 and granted to restore the International Application SEND ALL CORRESPONDENCE TO: Thomas E. SPATH ABELMAN, FRAYNE & SCHWAB 666 Third Avenue, 10th Floor	ARNING: Information on this focard information and authorization	a petition to revive (37 CFR 1.137(a) or (b)) must be filed SIGNATURE Thomas E. SPATH NAME 25,928					